(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 28 April 2005 (28.04.2005)

PCT

(10) International Publication Number WO 2005/038985 A2

(51) International Patent Classification7:

H01R

(74) Agent: ABB, AB; Legal & Compliance/Intellectual Property Forskargrand & S. 72178 Västeråe (SF)

(21) International Application Number:

PCT/IB2004/003390

(22) International Filing Date: 18 October 2004 (18.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

US

(30) Priority Data:

60/511,424 16 October 2003 (16.10.2003) 60/511,430 16 October 2003 (16.10.2003)

(71) Applicant (for all designated States except US): ABB RE-SEARCH LTD. [CH/CH]; Affolternstrasse 52, CH-8050 Zürich (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ISBERG, Peter [SE/SE]; Lindskärsv. 15, S-725 92 Västerås (SE). EKLUND, Per [SE/SE]; Sandgatan 12B, S-582 35 Linköping (SE). EMMERLICH, Jens [SE/SE]; Rydsvägen 246A 21, S-584 34 Linköping (SE). HULTMAN, Lars [SE/SE]; Uvebergsvägen 20, S-589 31 Linköping (SE). HÖGBERG, Hans [SE/SE]; Banérgatan 13, S-582 32 Linköping (SE). LJUNGCRANTZ, Henrik [SE/SE]; Kobergsgränd 4, S-587 21 Linköping (SE).

erty, Forskargränd 8, S-72178 Västerås (SE).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

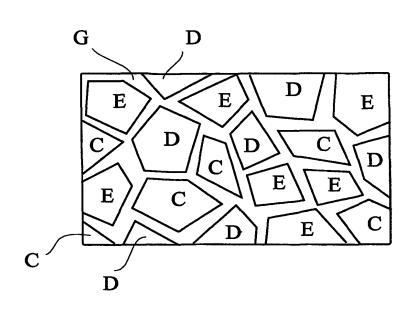
Published:

ZW.

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COATINGS



(57) Abstract: An element for making an electric contact to a contact member 5, 15, 19, 41 for enabling an electric current to flow between said element and said contact member, said element 3,14, 42 comprising a body 6 having at least a contact surface 2, 4, 16, 43, 44 thereof coated with a contact layer applied against said contact member. The contact layer comprises a film comprising a multielement material with equal or similar composition as any of a layered carbide or nitride that can be described as M,H AX,, where M is a transition metal or a combina tion of a transition metals, n is 1, 2, 3 or higher, A is an group A element or a combination of a group A element, element and X is Carbon, Nitrogen or both.

